

KRYPTON R&F

Launch Presentation



Guaranteeing the best strength-flexibility-weight ratio

THE KRYPTON FAMILY



Ultra-lightweight, strong and versatile. Our new top-of-the-line rigid (R) and folding (F) wheelchairs are made of carbon fibre to further improve the performance for the user:

- **ultra-lightweight:** from 6,2 kg (R) or 8,3kg (F)
- **lightest** fully adjustable rigid wheelchair
- **lightest** folding wheelchair
- **unrivaled rolling performance**
- innovative BRAID manufacturing process
- carbon-specific shape of the frame-tubes
- fully configurable
- **fully adjustable**
- many options available
- extensively tested under all conditions
- made in Malsch



MATERIAL COMPARISON



	Steel	Titanium	Aluminium (6000/7000)	Carbon
Weight	high	middle	low	very low
Durability	high	very high	high	high
Stiffness	low	middle	high	very high
Ride comfort	middle	high	low	high

⇒ Carbon fibre has the best ratio of stiffness and weight: stiffer yet lighter than 7000-series Aluminium

⇒ A Krypton frame tube is 30% stiffer and 40% lighter than a Helium frame-tube

⇒ Carbon fibre has good damping and vibration-absorbing characteristics

⇒ It's stiffer than 7000-series Aluminium but offers a ride comfort comparable to Titanium

⇒ Carbon fibre doesn't age or corrode

KRYPTON PERFORMANCE



- **Weight:** **undisputedly the lightest wheelchairs of their kind** with 6,2kg (R) and 8,3kg (F). Both are ½ kg lighter than a comparable Aluminium wheelchair (e.g. Helium or Xenon²). ½ kg makes a huge difference when lifting and handling the wheelchair.
- **Design:** open-frame design with **carbon-specific, muscular shape** of the frame-tubes to increase stiffness. **Distinguished optical appearance** of the (uncoated) frame.
- **Driving characteristics:** very stiff and efficient frame makes propulsion noticeably easier. This effect is reinforced by the vibration damping characteristics of the material: the frame is stiff yet rides very smooth. **The result is a unequaled ride: super-efficient yet smooth and less bumpy.** Give it a try!! You'll note the difference...
- **Choice of the caster-house-position:** this defines the position of the caster-wheel and allows the user to **individualize his chair:** focus on rolling resistance OR manoeuvring

KRYPTON R



- The lightest, fully adjustable rigid wheelchair
- Max. user weight 125kg
- Fully configurable, many options available to suit every user's needs
- Carbon frame-tubes and caster-link-tubes in braiding technology
- Carbon crosstube, balanced and equipped with a rubber grip for optimized transportability
- Carbon axle-tube and carbon axle-stems (+/- 1cm adjustable in height)
- Carbon backrest with very close "towel-bar" as an option

KRYPTON R: SPECS AND OPTIONS



Configurability

- **Seat-width** from 320-460 mm
- **Seat-depth** from 340-480 mm
- **Front seat-height** from 430-550 mm, **rear seat height** from 380-500mm
- **Low and high frame** (+40mm) available. (*Choose high frame and 111mm forks for low weight*)
- **3"-6" caster-wheels**, **24" and 25" rear wheels**
- **92° or 100° frame**, each with **10mm or 30mm inset** and **two caster-house positions**
- **Lower leg length** from 360 mm- 510 mm
- Aluminium or **Carbon backrest (option)** (Krypton-rubber grip , weight difference -100g), both versions are foldable and angle-adjustable (double-lock as an option)
- Wide choice of **push-handles, footrests, sideguards, armrests, casters, rear-wheels, handrims...**

Almost the same configurability as on a Helium

Adjustability

- **Seat-height:** front and rear (+/-1cm)
- **Lower leg length** (360- 510mm), footboard angle (option)
- **COG:** continuously adjustable from 56 mm to 104 mm
- **Backrest angle** (-31° to +15°), **Backrest height** (50 mm/ not adjustable on the carbon backrest)



KRYPTON R: SPECS AND OPTIONS

Special options

- **Seat-sling airflow superlight:** thinner straps, composite buckles. Max. user weight 85kg
- **Weight difference on the chair:** 100g



EXO superlight: EXO Standard material, wider to replace side-pads, one pocket (no zipper) **Weight difference on the chair:** 160g



KRYPTON R: SPECS AND OPTIONS III



Special options II

- **Axle-plug superlight:** glued into the axle-tube, only 0° camber, no adjustability of the track-width
- **Axle-plug standard:** clamped, exchangeable, 0° and 3°, track-width adjustable. Necessary for mounting anti-tips or tip-assist.
- **Weight difference on the chair: 160g**



**Axle-plug
superlight**



**Axle-plug
adjustable**

- **Frame Protection, Plastic:** glued to the frame to protect exposed areas from impacts



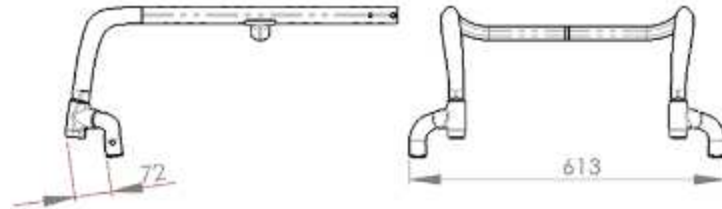
KRYPTON R: SPECS AND OPTIONS IV



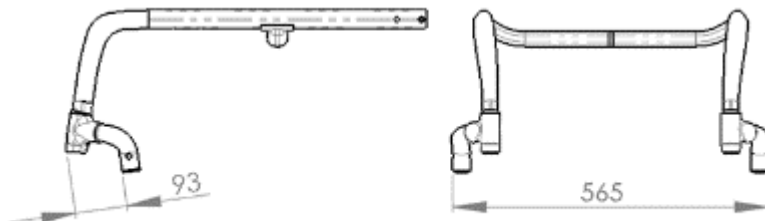
Special Options III

- **Castor Position (Krypton R & F)**

- **Position wide:** for optimized rolling-resistance through better weight-distribution (more weight on the rear-wheels) and improved front-stability (e.g. when transferring in- or out-of the chair)



- **Position narrow:** 20 mm further rearward and 25mm more narrow: more compact chair, easier to maneuver in tight spaces, user can get closer to objects (e.g. in the Kitchen)



=> Performance feature: allows the user to individualize his chair and tune it towards improved rolling resistance OR maneuvering



KRYPTON F *KRYPTON F*



- **The lightest** folding wheelchair. Period. No ifs and buts.
- **Max. user weight** 110kg
- **Fully adjustable**
- **Fully configurable**, many options available to suit every user's needs
- **Carbon frame-tubes and caster-link-tubes in braiding technology**
- **Carbon crossbrace, proven Xenon² folding geometry with autolock**
- **Forged Aluminium axle-stems** (fully adjustable or cut-to length)
- **Carbon backrest tubes** as an option

KRYPTON F: SPECS AND OPTIONS I

Configurability

- **Seat-width** from 320-460 mm
 - **Seat-depth** from 340-480 mm
 - **Front seat-height** from 430-550 mm, **rear seat height** from 370-500mm
 - **Low and high frame** (+40mm) available. *(Choose high frame and 111mm forks for low weight)*
 - **3"-6" caster-wheels**, **24" and 25" rear wheels**
 - **92° or 100° frame**, each with **10mm inset** and **caster-house position narrow or wide**. **No 30mm inset** due to **folding width**.
- Almost the same configurability as on a Xenon²*
- **Lower leg length** from 360 mm- 510 mm
 - **Aluminium or Carbon backrest** , **angle-adjustability standard**, optional backrest fold-down (to the front) (only with aluminium backrest)
 - Wide choice of **push-handles**, **footrests (incl. auto-fold)**, **sideguards**, **armrests**, **casters**, **rear-wheels**, **handrims...**

Adjustability

- **Seat-height:** front and rear
- **Lower leg length**, footboard angle (option)
- **COG:** adjustable from 40 to 130mm in 10 mm increments
- **Backrest angle** (-15° to +13°), **Backrest height** (50 mm, not adjustable on the carbon backrest)

KRYPTON F: SPECS AND OPTIONS II



Special options

- **EXO superlight:** same as on Krypton R (weight difference -160g)
- **Backrest, angle-adjustable** is standard on the Krypton F
- **Backrest, fold down to the front:** known from Xenon² and Neon². Only with Aluminium backrest-tubes
- **Axle-stem long or short:** Axle-stem can be cut to the desired seat-height (weight difference 200g for SH 430)
- **COG Adapter Standard or lightweight** (only 0° camber, less COG positions possible, weight difference 260g)



Axle-stem short, only +1cm seat-height adjustability

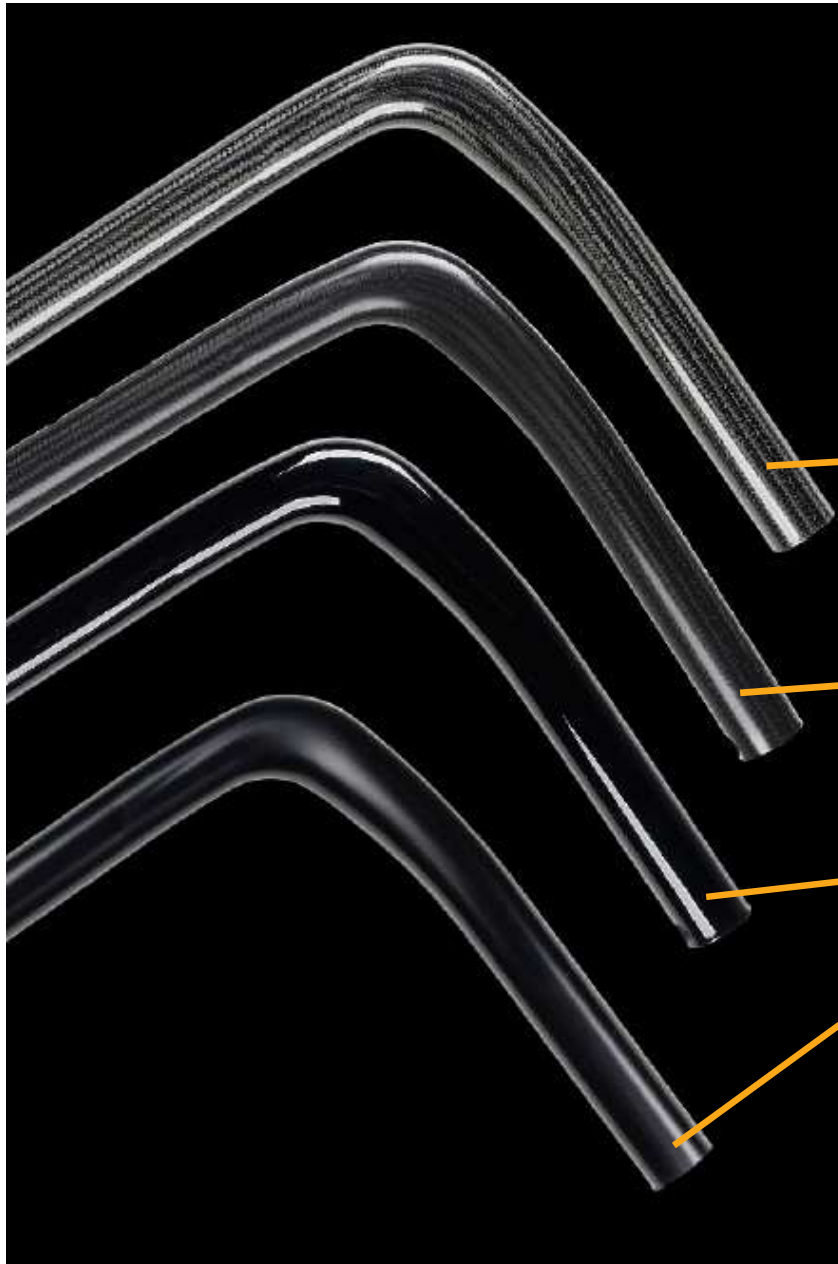


COG Adapter lightweight



COG Adapter Standard

KRYPTON R&F: „COLOURS“



Frame colours

- **Natural carbon:** no coating, just raw carbon. The surface is between matte and glossy. **Pro:** no extra weight **Con:** no additional UV protection
- **Clear coat, gloss:** high gloss clear-coat, very glossy finish. **Pro:** improved UV-protection of the material **Con:** +100g weight, upcharge
- **Clear coat, matte:** matte clear coat. **Pro:** improved UV-protection of the material **Con:** +100g weight, upcharge
- **Black gloss or black matte** **Pro:** 100% UV-protection of the material, **Con:** +100g weight, scratches are visible, upcharge

Please note that only the frame-tubes are painted. Axle-stems (R), axle-tube (R), crossbrace (F) and backrest (R&F) are always clear coated carbon.

KRYPTON R&F: COLOURS & GRAPHICS



Frame graphics

The “flying pixels” design is available in three colours: red, blue, silver.

It is scratch resistant, not removable and available in combination with all frame finishings (natural, clear, black)

Stickers

SOPUR/ QUICKIE and Krypton stickers are available in 5 colours



Forks, casters, EXO upholstery

Forks aluminium casters and EXO upholstery are available in 5 colours

Rear wheels

24” lightweight wheel is available in 3 colours

KRYPTON....



Pioneering carbon frame for an ultra-responsive ride





THANK YOU!